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PTO/SB/05 (2/98)

Approved for use through 09/30/00. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL <small>(Only for new nonprovisional applications under 37 CFR 1.53(h))</small>		Attorney Docket No. 06192.0226.NPUS00	
		First Named Inventor or Application Identifier Byoung-Sun NA et al	
		Title Liquid Crystal Display And Substrate Thereof	
		Express Mail Label No.	
APPLICATION ELEMENTS <small>See MPEP chapter 600 concerning utility patent application contents</small>		ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, DC 20231	
1. <input checked="" type="checkbox"/> *Fee Transmittal Form (Form PTO-1082) <small>(Submit an original and a duplicate for fee processing)</small>		6. <input type="checkbox"/> Microfiche Computer Program <i>(Appendix)</i>	
2. <input checked="" type="checkbox"/> Specification [Total Pages 21] <small>(preferred arrangement set forth below)</small> <ul style="list-style-type: none">- Descriptive title of the Invention- Cross References to Related Applications- Statement Regarding Fed sponsored R&D- Reference to Microfiche Appendix- Background of the Invention- Brief Summary of the Invention- Brief Description of the Drawings (if filed)- Detailed Description- Claims- Abstract of the Disclosure		7. Nucleotide and/or Amino Acid Sequence Submission <i>(if applicable, all necessary)</i> <ul style="list-style-type: none">a. <input type="checkbox"/> Computer Readable Copyb. <input type="checkbox"/> Paper Copy (identical to computer copy)c. <input type="checkbox"/> Statement verifying identity of above copies	
3. <input checked="" type="checkbox"/> Drawing(s) <i>(35 USC 113)</i> [Total Sheets 7]		ACCOMPANYING APPLICATION PARTS 8. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s)) 9. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney <small>(when there is an assignee)</small> 10. <input type="checkbox"/> English Translation Document <i>(if applicable)</i> 11. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations 12. <input type="checkbox"/> Preliminary Amendment 13. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Two) <small>(should be specifically itemized)</small> 14. <input type="checkbox"/> *Small Entity Statement(s) <input type="checkbox"/> Statement filed in prior application, Status still proper and desired 15. <input checked="" type="checkbox"/> Certified Copy of Priority Document(s) <small>(if foreign priority is claimed)</small> 16. <input type="checkbox"/> Other:	
4. Oath or Declaration [Total Pages 3] <ul style="list-style-type: none">a. <input checked="" type="checkbox"/> Newly executed (original or copy)b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) <small>(for continuation/divisional with Box 17 completed)</small> <i>[Note Box 5 below]</i>i. <input type="checkbox"/> DELETION OF INVENTOR(S) <small>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</small>			
5. <input type="checkbox"/> Incorporation By Reference <i>(useable if Box 4b is checked)</i> <small>The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.</small>			
<small>*NOTE FOR ITEMS 1 & 14 IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28)</small>			
17. If a CONTINUING APPLICATION , check appropriate box and supply the requisite information: <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No: / Prior Application Information: Examiner: Group/Art Unit:			
18. CORRESPONDENCE ADDRESS			
<input checked="" type="checkbox"/> Customer Number or Bar Code Label 22930 or <input type="checkbox"/> Correspondence address below <small>(Insert Customer No. or Attach bar code label here)</small>			
NAME		Michael J. Bell	
		HOWREY SIMON ARNOLD & WHITE, LLP	
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Name (Print/Type)	Michael J. Bell	Registration No. (Attorney/Agent)	39,604
Signature	<i>Michael J. Bell</i> (44,483) For	Date	May 11, 2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231

May 11, 2001

Box New Applications

Assistant Commissioner for Patents
Washington, DC 20231

Re: New Utility Non-Provisional U.S. Patent Application
Application No. **TO BE ACCORDED** Filed **HEREWITH**
Title: **LIQUID CRYSTAL DISPLAY AND SUBSTRATE THEREOF**
Inventors: **Byoung-Sun NA, et al.**
Our Ref: 06192.0226.NPUS00

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

1. Form PTO SB/05;
2. Form PTO 1082;
3. U.S. Utility Patent Application entitled:

LIQUID CRYSTAL DISPLAY AND SUBSTRATE THEREOF

and naming as inventors: **Byoung-Sun NA**
Jong-Soo YOON

the application consisting of:

- a. A specification containing:
 - (i) 16 pages of description prior to the claims;
 - (ii) 4 pages of claims (**24** claims);
 - (iii) a **one** (1) page abstract;
- b. 7 sheets of drawings: (**Figures 1, 2, 3, 4A, 4B, 4C, 5, 6, 7 and 8**);

Box New Applications

Attorney Docket No. 06192.0226.NPUS00

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4. Executed Declaration-Power of Attorney;
5. PTO 1595, Executed Assignment and Check No. 352356 in the amount of \$40.00 to cover recordation fee;
6. Claim to Priority and certified copy of Korean Patent Application No. 2000-25465 dated May 12, 2000;
7. Check No. 352357 in the amount of \$862.00 to cover the basic application filing and extra claims fees;
8. Two (2) return postcards

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, and/or credit our Deposit Account No. 08-3038 referencing docket number 06192.0226.NPUS00. *A duplicate of this letter is enclosed.*

Respectfully submitted,

Derek J. Jankin (44,483)

For Michael J. Bell
Registration No. 39,604

Enclosures

HOWREY SIMON ARNOLD & WHITE, LLP
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Washington, DC 20004-2402
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Attorney Docket No. 06192.0226.NPUS00

ASSISTANT COMMISSIONER FOR PATENTS
 Washington, DC 20231

Sir:

Transmitted herewith for filing is the patent application of

Inventor: **Byoung-Sun NA**For: **LIQUID CRYSTAL DISPLAY AND SUBSTRATE THEREOF**

Enclosed is a new application comprising:

- ☒ A specification containing: 16 pages of description prior to the claims; 5 pages of claims (**24 claims**); a one (1) page abstract; 7 sheets of drawings (**Figures 1, 2, 3, 4A, 4B, 4C, 5 and 6**)
- ☒ PTO SB/05

The filing fee has been calculated as shown below:

	(Col. 1)	(Col. 2)
FOR	NO. FILED	NO. EXTRA
BASIC FEE		
TOTAL CLAIMS	24-20 =	* 4
INDEP. CLAIMS	4-3 =	* 1
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENTED		

*If the difference in Col. 1 is less than zero, enter "0" in Col. 2

SMALL ENTITY	
RATE	
	\$ 345.00
x 9 =	
x 39 =	
+ 130 =	
TOTAL	

OTHER THAN A SMALL ENTITY	
RATE	FEE
	\$ 710.00
x 18 =	72.00
x 80 =	80.00
+ 270 =	
TOTAL	\$ 862.00

- ☒ A check in the amount of **\$862.00** to cover the filing fee and extra claims fee is enclosed.
- ☒ The U.S. Patent and Trademark Office is hereby authorized to charge payment of the following fees during the pendency of this application or credit any overpayment to Deposit Account No. 08-3038 referencing docket number 06192.0226.NPUS00. *A duplicate copy of this sheet is enclosed.*

- ☒ Any patent application processing fees under 37 CFR 1.17
- ☒ Any filing fees under 37 CFR 1.16 for presentation of extra claims.

Date May 11, 2001

Derek J. Jandies (44,403)
 FOR Michael J. Bell
 Registration No. 39,604